20000530.ba v02_n905.bam.20000530

>From ???@??? Tue May 30 01:38:03 2000 -0500
Message-Id: <200005300636.e4U6aUL12597@sco.theporch.com>
Date: Tue, 30 May 2000 01:36:07 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2905

BOATANCHORS Digest 2905

Topics covered in this issue include:

Message-ID: <00c701bfc9a1$35c3b840$32f9cdd0@ehrlich>
From: "Don Ehrlich" <ehrlich@olypen.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "boatanchor message" <boatanchors@theporch.com>
Subject: Re: GB> a wedge question (great things to have around)
Date: Mon, 29 May 2000 12:07:02 -0700
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Re: Non-skid material

I bought mine at local Albertsons. I suspect that just about any grocery store carries it in the housewares dept. It is great for bugs and keys. I use it to stabilize the glass on my desktop that covers notes and reference info ... it only takes a square inch or so at each corner.

Don   K7FJ

Date: Mon, 29 May 2000 15:59:52 -0400 (EDT)
From: MODSTEPH@ACS.EKU.EDU
Subject: Mind? What mind? *blush*
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <01JPZ7QVVD02006JZ6@ACS.EKU.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Time to hang up the mind for a while...

    I have been working on an HQ-170 pulled out of the woods. It is in decent condition
but had a few internal changes (why do they DO that?). This one had the second
antenna terminal and the ground terminal tied across the STBY RECV switch so that
they were shorted on the STBY position. Guess previous owner was using it to
throw a relay somewhere.

With the addition of a new 0B2 it was otherwise working pretty well, but the normal STBY RECV function had been defeated so the Relay socket in the back made no difference in going back and forth, TR to RCV.

Discovered the problem when I had it hooked up and going on the air - at least my T-R relay grounds the RCV antenna on XMT, so could run the QSO I started by cranking the RF gain all the way down each xmt time.

Anyway, pulled it, uncased it, turned it turtle and found the modifications, which I undid, restoring it to original Hammarlund intent. Then I slipped it back in the case, taking trouble to set the clock correctly since the extension control is gone. In case and on and.... nothing. Lit up prettily, clock ran fine, but no controls did anything. I thought back over my repairs to figure what I could have done to leave it with NOTHING working... A couple minutes stewing, then I thought back over the whole repair process... and remembered I had pulled the 5U4 so I could set the critter on its back to work on it. And guess which tube I had forgotten to re-install...

Slip it out of the case far enough to put the 5U4 back in, get it all fastened down, turn it on and it lights up prettily... but band to band there is nothing, not even xtal calibration working. A few minutes more fussing while trying to figure how I had busted it... when I noticed that when I turned it ON (On-OFF switch is on the RF Gain) I had not then advanced the RF Gain. So there I was trying to figure out why it was not working when I had zero RF gain...

Quick fix (turn the d*** thing up) and it is working fine on all bands... and it is time to walk away, maybe take a nap, have a cup of coffee...as long as my mind decides it it on vacation too.

I do have it all running at least - when I remember to do it right!
Hope y'all's holidays
are going well, and that you are keeping your minds turned on better
than I. If not, grab
a cold one and just enjoy being alive!.

73, Al N5AIT

Message-Id: <v03007804b5588b9a1e91@[209.179.244.167]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 29 May 2000 13:06:04 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: General Radio IB-2 bridge

>Bob Roehrig wrote:

Still cleaning out the garage & shack. SO the following have to go:
>

>2) Heath IB-2A impedance bridge. A lot of controls & built-in generator.
>This is the sloping front job with meter in the center. Condition unknown.
>No knobs are broken or missing but a couple of controls are hesitant to
>turn

and Scott comments:

This in a good, useful instrument. I've a GenRad bridge as well, but the
Heath works fine and will measure down to tens of pF and small inductance,
perfect for identifying mystery L's and C's in the junk box.

I have a mod to improve performance. I'll tell the buyer about it off line.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Message-ID: <3932CF5C.64D02E09@mediaone.net>
Date: Mon, 29 May 2000 16:13:16 -0400
From: Gary Schafer <gschafer@mediaone.net>

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Dog Fence Frequencies...
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jack

Just fire up your kw transmitter on different bands. When you hear the dog howl, you will know what frequency the thing is on!

73
Gary K4FMX

Jack Harper wrote:

> The XYL finally pointed out to me that he is not really making home videos
> of the Western Front but rather that it is one of those new fangled Dog
> Fence thingi --

Message-Id: <200005292101.OAA02082@cx689895-a.msnv1.occa.home.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [GreenKeys] 'military standard' RTTY for the ham bands...
Date: Mon, 29 May 2000 14:01:38 -0700
From: mblair1@home.net

David Ross <ross@hypertools.com> wrote:
> GRC-46 & CV-278 & MD-203   FSK   mark high
>   (The GRC-46 is a T-195/GRC-19 & an R-392 with RTTY accessories.
>   Does real FSK but difficult/impossible to change to mark low.)

Reading this prompted me to dig out the TM for my MD-203 (TM 11-5820-205-35, Field & Depot Maintenance, dated January 1960). There's a contradiction in the description in paragraph 2a. First, it states:

    "The frequency shifts 850 cps lower for a teletypewriter mark
     signal and back to the original transmitter frequency for a
     teletypewriter space signal."

In other words, "mark low". Then, in the very next sentence, it states:

    "With no characters being transmitted, the radio-frequency (RF)
     output rests at the higher (mark signal) of the two frequencies."

In other words, "mark high". Now, I haven't plugged my MD-203 into my working T-195 yet, but I'll assume that Dave's description is the correct one.

It seems to me that in a pinch, it should be possible to change it to "mark low" with an external adapter installed between the junction box and modulator, which simply swaps marks and spaces as seen by the modulator. Basically, a current-loop "not" gate. Would this work? I believe the CV-278 should be able to pick up "mark low" signals, since there are "normal" and "reverse" positions on its mode switch. Can anybody with a GRC-46 confirm this?

Studying how the MD-203 works, it dawned on me that it should be possible to make an external FM modulator for the T-195, and also make an external FM discriminator and audio amp which plugs into the IF output on the front of the R-392. I can't think of any reasons why somebody might want to do that, but I thought I'd mention it. It was awfully nice of the designers to build in provisions to insert an external circuit between the master oscillator and the multiplier and PA on the transmitter, and feed the 455 KC IF to a jack on the front of the receiver. Too bad there's not an external jack to drive the audio amp from an external source, too.

I wonder if a similar approach could be used to add an external SSB modulator to the transmitter? Please repair my ignorance if that's not possible... I don't really know much about transmitter design.

I certainly don't plan to make any internal mods to my GRC-46 setup once I get it on the air, but a simple external adapter or two (painted OD, of course) might be worth considering if it increases the number of people in the world with whom I might be able to have the occasional RTTY QSO... say from 2 to 5. :-) Plus, an external SSB converter (which I would hide in the closet whenever anybody who knows what a GRC-19 is supposed to look like drops by!) would let me operate my T-195 on phone regularly without incurring the wrath of the AM police.

> GRC-106 & MD-522 combo USB only mark low

Is there any difference between "real FSK" and a sideband RTTY rig as seen by the receiver, or is it just a distinction between different methods of generating and receiving the same RF signal?

It seems to me that if you don't mind home-brewing a modulator and demodulator, a T-195 and R-392 ought to be usable with just about any shift or baud rate without requiring any internal modification, though 850 cps shift and 60 WPM Baudot would still be the rule for any

"original" and "correct" setup. The thought of making contacts with
folks who love to chew on operators of vintage gear for cluttering up
the airwaves with their obsolete RF waves, without them knowing that
they're talking to a 50-year-old firebottle rig, has a certain
mischievous appeal... :-)

Now, if everybody will chew on me for being to lazy to get around to
learning the %#$! 5 WPM and upgrade my no-code Tech license, maybe
I'll actually get off my butt and get on the air on HF! :-)

--
Mark J. Blair, KE6MYK <mblair1@home.net>
PGP 2.6.2 public key available from http://pgp.ai.mit.edu/
Web page: http://www.qsl.net/ke6myk/
DO NOT SEND ANY UNSOLICITED COMMERCIAL EMAIL TO THIS SITE

Message-ID: <01BFC994.B206DC00.w1ksz@tiac.net>
From: "Richard W. Solomon" <w1ksz@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Found: Interesting 2 M AM XMTR
Date: Mon, 29 May 2000 17:38:26 -0400

Got this the other day. Made by ERCO Radio Lab of Garden City, NJ.
RF Tube line-up is 5763 - 5763 - 6360 - 6252 - 6252. Tuned 1/4w lines
on Driver and Final. Has internal coax relay and N connectors. Plate modulated
by a pair of 1635's, Mod XFMR is a UTC S-19, with S-8 Driver XFMR.
Never seen one of these before. Not sure what to do with it, swap it,
part it out, whatever. I have no need for it, was just curious what was
inside. Got a PS with it (HB - Death Wish style !!). Is anyone interested
in part or all of it ? I can send jpeg of it if interested.
73, Dick, W1KSZ

Message-Id: <3.0.5.32.20000529152750.007a27a0@pop.igc.org>
Date: Mon, 29 May 2000 15:27:50 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.org>
Subject: WTB: AN/GRC-46
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mark is looking for pieces to complete his AN/GRC-46 but I'm starting from
scratch: I need the whole thing. My hope is to have a working AN/GRC-46 at
San Louis Obispo next year. A long shot I know but you never know what's
out there if you don't ask. All advice and leads appreciated.

Regards,

Dick

Dick Dillman, W6AWO
Chief Operator at K6KPH of the Maritime Radio Historical Society
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Message-Id: <3.0.6.32.20000529191503.00928b40@mail2.coastalnet.com>
Date: Mon, 29 May 2000 19:15:03 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Al Parker <anchor@coastalnet.com>
Subject: Re: Mind? What mind? *blush*
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Boy, I'm sure glad someone else gets those kinda brain cramps, too.
73,

Al, W8UT
New Bern, NC
BoatAnchors appreciated here
anchor@coastalnet.com

And remember; "-They don¥t make tubes nowadays like they used to..."

Date: Mon, 29 May 2000 16:39:40 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HELP -- GPR-90 Part Needed
Message-ID: <Pine.BSF.4.21.0005291634080.18916-100000@king.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 28 May 2000, Arden Allen wrote:

> Another tale of woe. There probably is a GOOD chance of repairing the
> coil. Get hold of a powerful magnifier like a 7X eye loupe and do a
> THOROUGH visual examination of the coil. You want to look for all of the
> strands of the litz wire. Assuming all of the ends are accessible, comb
> the strands with a tiny pointed tool so they are pointed outward where they
> can be gotten to with a fine point soldering iron tip. Tin the wires, not

> by attempting to scrape the insulation off, but by tinning the exposed
> copper at the bitter end of each strand. Keep applying fresh solder to the
> soldering iron and wire until the insulation burns back a short way and

When I tin small gauge wire by burning off the insulation,
I seem to always end up with burned looking extremely thin
copper wire. From a recent discussion of the silvered ceramic
terminal strips in Tek scopes, I suspect that excessive
tinning of the copper wire, as required to burn off the enamal
insulation results in the copper in the wire leaching off
into the solder and dripping away as new solder keeps being
added. Does this sould likely, and is there a cure?

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Mon, 29 May 2000 19:56:05 -0400
Subject: Re: Mind? What mind? *blush*
Message-ID: <20000529.195608.-948269.0.k4pf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: Edward J Knobloch <k4pf@juno.com>

My own favorite "Oops, gotcha" story came about
during an alignment of a Collins KWS-1 transmitter.
At one point, you are to couple a receiver
to the exciter stage and tune a circuit
for minimum PTO signal feedthru at 3.25 MHz.
I used a 51S-1 receiver, the general coverage version
of the S/Line, for this purpose.

Tune, tune, tweak, what the...? The signal stayed
constant at a good S-2 on the receiver.
An hour later, I turned off the TX in frustration,
with visions of bad ceramic trimmers or open inductors,
only to hear the same tone continue on the receiver.
Sure enough, the 51S-1 has a spur at 3.25 MHz!

Ed   k4pf@juno.com

Date: Mon, 29 May 2000 18:19:23 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: HELP -- GPR-90 Part Needed
To: Old Tube Radios <boatanchors@theporch.com>

Message-id: <0FVC00HSSMBXZD@mta5.snfc21.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi John;

> When I tin small gauge wire by burning off the insulation,
> I seem to always end up with burned looking extremely thin
> copper wire. From a recent discussion of the silvered ceramic
> terminal strips in Tek scopes, I suspect that excessive
> tinning of the copper wire, as required to burn off the enamal
> insulation results in the copper in the wire leaching off
> into the solder and dripping away as new solder keeps being
> added. Does this sould likely, and is there a cure?

You are right. You just have to hope that enough wire survives the process. If you have some Strip-X that would break down the insulation and make the tinning go quicker (just don't breathe the fumes). The only saving grace is it doesn't take but a tiny length of the wire to be tinned to make a successful splice. Thanks.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

Message-Id: <200005300152.e4U1q1302442@jackatak.theporch.com>
From: listown@jackatak.theporch.com (List Admin/Owner Radio Mail Lists)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: A BoatAnchors CD-ROM
Date: Mon, 29 May 2000 20:52:01 -0500 (CDT)

Gang-

PLEASE READ THIS CAREFULLY AND PLEASE FOLLOW THE DIRECTIONS!!!

Mostly testing the waters here...
A "marketing survey" if you will

A few years ago, before my world turned inside-out, I threatened to burn a CD of all the postings I have in my archives... we have such a CD ready, with all the files from the archives, and nearly 100,000 postings made to the list between early 1993 (with a few holes filled graciously back to 1992) and the present...

There is an index built...

It looks pretty good to me...

I need to know if there is any interest in such a BoatAnchors CD.

If you are interested at $27.50 PostPaid (US only) or $25.00 plus
postage (Outside US) please do the following:

send ME an email... REPLY to ME ONLY (*NOT* the list) indicating your
interest...

I will use the info gathered to decide if we will contract the burning
to an outside firm or do the few ourselves...

Back to the wonderous old tube radios...
--
73
Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
     "Il n'y a que les idiots qui ne changent jamais d'idee"

Message-ID: <02c701bfc9de$a985bca0$6d3843d8@oemcomputer>
From: "DavidC" <eDoc@netzero.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Selling or Swapping My R-392
Date: Mon, 29 May 2000 22:27:52 -0400
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I need to sell my R-392. :-(It is in operating condition
but needs some adjustments to be fully operational. (I have
the notes from the original owner as to his diagnosis. He had
several units and this was one of his best.) It is in good condition
with some scuffing to the edges of the two large tuning knobs
and the edges of the overlapping front cabinet edges.

The knobs, other than the two main tuning knobs, look like the
originals but are slightly smaller. The meter also looks original
from a distance but is not the original.

I do have some documentation and will include copies. I hope
to one day own another so I am holding onto a copy of the
documents. Right now I need the cash for more pressing
radio room needs. My Morrow twins and Zenith bc/sw tabletop
will have to meet my boatanchor desires for now. ;-)

I would prefer a sale here in Florida where we can arrange an

inspection and pickup. I am asking $165. (which is what I paid
for it).

I will consider trades for the following (we can work out an
adjustment for fair value, e.g. one of us may need to add
additional items or some cash):

1. Micro-size dual-band 2/440 HT.
2. Force 12 C3S beam.
3. Solar panels.
4. 2/440 fiberglass base vertical antenna, 440 beam, 6m beam.
5. Fiber-optic cable link and interfaces from tower to radio room
(approx. 150 feet point-to-point) for rotor and other control, data,
etc. lines.

- Thanks! & 73, DavidC K1YP in Hudson, FL

****

Message-Id: <1.5.4.16.19800104224216.1097d9c2@pop1.sympatico.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Andre Guibert <aguibert@sympatico.ca>
Subject: Abbott 2m TR-4B?
Date: Mon, 29 May 2000 22:54:12 -0400

Bonsoir to All
Just back from the Tracy(Quebec) Radio Show/Hamfest.
One piece of equipment out of the 175 radios on display
had every body puzzled.
Anybody could supply us with a schematic/info. for:
Manufacturer: Abbott Co(USA).
Frequency: 2m Ham Band(144-148MHz
Model   : TR-4B (Tranceiver), AM-CW.
Andre
PS The show was a great success as most of the visitors
had no ideas as to purpose-history behind mill. radios.
Ham gear was well reprensented.
A Hellschreber and a "B2" formed part of the show.

Andre Guibert
aguibert@sympatico.ca

Date: Mon, 29 May 2000 20:12:32 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [GreenKeys] 'military standard' RTTY for the ham bands...
Message-ID: <Pine.BSF.4.21.0005292000060.51455-100000@king.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 29 May 2000 mblair1@home.net wrote:

> Is there any difference between "real FSK" and a sideband RTTY rig as
> seen by the receiver, or is it just a distinction between different
> methods of generating and receiving the same RF signal?

A "real FSK" transmitter will only transmit the mark and space
freqs (not counting the transmitter hormonics)

A SSB rig with audio tone modulator will also be transmitting
the supressed carrier, perhaps 30 db below the M and S tones,
and the supressed sideband, maybe 40-50 db down. If running a
KW transmitter, these would be a few watts of unwanted signal.

John

Date: Mon, 29 May 2000 23:50:04 -0400 (EDT)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Crystal Set
Message-ID: <Pine.SUN.3.91-FP.1000529234745.11677a-100000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have an old Merchant Marine crystal set (I think its a 123BX), and I
have to wonder...

Why put an "ON-OFF" switch on it?

Am I missing something obvious?

Probably available for trade, by the way.

William Donzelli
aw288@osfn.org

Message-ID: <01ff01bfc9ea$826a5480$378abd18@Feher>
From: "Mike B. Feher" <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Crystal Set
Date: Mon, 29 May 2000 23:52:40 -0400
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill -

As you know most ships were required by law to have an emergency backup receiver for 500 KHz. Most of them were crystal sets and used till fairly recently. I suspect the on/off switch was there to protect the detector which may easily go out of alignment or burn out when the ship itself was transmitting high power. Remember they would only resort to using it when they themselves had no other receive capability and therefore more than likely no transmit capability either. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell NJ, 07731
(732) 901-9193

----- Original Message -----
From: "William Donzelli" <aw288@osfn.org>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Monday, May 29, 2000 11:50 PM
Subject: Crystal Set

> I have an old Merchant Marine crystal set (I think its a 123BX), and I
> have to wonder...
>
> Why put an "ON-OFF" switch on it?
>
> Am I missing something obvious?
>
> Probably available for trade, by the way.
>

> William Donzelli
> aw288@osfn.org
>
>

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <200005300528.WAA28939@netcom.com>
Subject: Re: HELP -- GPR-90 Part Needed
To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 29 May 2000 23:28:25 -0600 (MDT)
Cc: boatanchors@theporch.com (Old Tube Radios)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As Grant Youngman discourses
>
> The slip was the coil rotating and ripping the fine litz wire leads assunder.
> The nut holding the coil to the base was not snug. There's probably not
> much hope of actually repairing the transformer.
>
> If anyone can help with a GPR-90-series T6 (A-1039) it would be greatly
> appreciated. The same transformer is also used at T7 and T8.
>
Repairable? If you have a pigtail at the start (center) of each coil,
it's quite repairable. Work gently.

Unravel the textile serving so that the wires are all exposed. Apply
GC Strip-X to the exposed wires, and allow it to do its thing for a
couple of minutes. Wipe off with a kleenex, then wash the stripped
ends thoroughly in water and dry again.

Note that Strip-X is nasty stuff---a methylene chloride paint stripper.
Use in a ventilated area and don't sniff the fumes.

With a small iron, lightly tin the stripped wires. Done properly,
they'll wick together, and you won't need much heat.

Clean off the terminals (watch out for thermoplastic). You may need
to "extend" from the terminals to the wire ends, in which case use
light bus bar (22, 24). Tin the end where you are going to attach the
Litzendraht end, and bend it over in a U. Put the Litzendraht in the
U, crimp together, and fasten with a small amount of solder.

When cool, wash the joints with alcohol, using a Q-tip. Once done,
rinse with water, to make sure no chemicals are left.

What you want to avoid are:

1. "Working" the wire ends mechanically (mechanical stripping, etc.).
They'll work-harden and become brittle.

2. Using lots of solder/lots of heat. The solder will thin the
copper under heat. Just use a minimum to assure good tinning and a
good joint.

Of course, if you have the transformer(s) out, and have a friendly
Boonton 260A Q-meter to use, you can use it to check resonance and Q.

Hank

Message-Id: <200005300614.XAA19736@cx689895-a.msnv1.occa.home.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 'military standard' RTTY for the ham bands...
Date: Mon, 29 May 2000 23:14:38 -0700
From: mblair1@home.net

Al Tipsword <atipsword@gotnet.net> wrote:
> I was recently able to get my AN/GRC-46 on the air. I also read the two
> contridicting paragraphs in the TM. I checked the MD-203 and found it was
> "mark high". After looking into the MD-203 keying circuits I found that
> the J-668 Junction Box uses a polar relay to provide a ground (mark) or
> open (space) to the MD-203. The simple addition of a reversal switch in
> the J-668 allows for selection of "mark high" or "mark low".

Congratulations! I'm glad there's at least one of those beasts on the
air, and I hope to join in sometime.

The purist in me prefers to avoid modifying green stuff when it's not
necessary. Since the J-688 is just making a relay closure to ground
(thanks, I didn't know that, and thought the MD-203 was actually in
the current loop), it shouldn't be too hard to build an appropriate
switchable "not" gate into a small (green) box that connects between
the J-688 and the MD-203, and can be hidden out of the way if desired.
It'll need some power, which could be tapped from one of the J-688's
switchable power outputs that probably aren't used in the typical ham
shack (like lights, blower or crypto dynamotor).

That being said, I'm still thinking of slapping a muffler on my
deuce... even a purist has his limits! :-)

> So get off your butt and get the AN/GRC-46 on the air. I'll be looking
> foward to a QSO with you.

Maybe I ought to listen to that code tape on my drive to and from
work...

--
Mark J. Blair, KE6MYK <mblair1@home.net>
PGP 2.6.2 public key available from http://pgp.ai.mit.edu/
Web page: http://www.qsl.net/ke6myk/
DO NOT SEND ANY UNSOLICITED COMMERCIAL EMAIL TO THIS SITE

From: "Brian Goldsmith" <goldsmith@oup.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <boatanchors@theporch.com>
Subject: RE: IR - ST-14 rectifier
Date: Tue, 30 May 2000 16:37:31 +1000
Message-ID: <000001bfca01$88e5c1c0$15188490@vic.bigpond.net.au>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Robert,if I was you,I wouldn't have the slightest worry about using the
SR14 as a replacement for a 5R4.The catalogue quotes the following for the
ST14.Vrm 1600 Volts per leg,Ifm(av)(max. output current) 600 mA versus 750
volts per leg and 250mA for the 5R4.Peak surge current for the ST14 is a
whopping 50 Amps non repetitive.Perhaps someone else on the list can tell us
why you shouldn't use it.!!!!!!!!!!!!!!!!

Regards.
Brian Goldsmith.

Brian Goldsmith wrote:
>
> Bob,IR type ST14 can replace the
> following:-5AV4,5AW4,5AX4,5T4,5U4,5Y4,5W4,5Y3,5Z4,6004,5AR4 and
> GZ34.Includes inbuilt surge resistor(this is NOT a voltage dropping
> resistor,you would have to add this externally).
Brinn:
Thanks much for the info....sure appreciate it. Was going to try it to
replace a 5R4 but it would be just a 'tad' too light of duty.
Bob.>

Regards.
>
Brian Goldsmith.

End of BOATANCHORS Digest 2905
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